C472
C.2

MINISTRY OF FORESTS LIBRARY
PO BOX 9523 STN PROV GOVT
VICTORIA BC V8W 9C2

RESEARCH SUMMARY

forest sciences

NELSON FOREST REGION

Mar. 1995 RS-019

■ tincludes order form to receive copies of publications

634.909711
BCMF
RES
NE
RS
1990-

Recent Publications by Staff Researchers

This is a list of publications completed by forest sciences researchers between October, 1992 and March, 1995. Lists will continue to be published periodically. Copies of these publications are available from the Forest Sciences section in Nelson by completing the attached order form.

ECOLOGY

Journal papers and technical reports:

Braumandl, T.F. 1994. Redfish Creek Prescribed Burn Vegetation Monitoring Project. B.C. Min. For., Nelson, B.C. Tech. Report TR-008. (RP94-1)

Braumandl, T.F. 1993. The Relationship of Site Index and the Ecological Classification for the Nelson Forest Region. B.C. Min. For., Nelson, B.C. Research Summary RS-008. (RP94-2)

Comeau, P.G., **T.F. Braumandl**, and C. Xie. 1993. Effects of Overtopping Vegetation on Light Availability and Growth of Engelmann Spruce (*Picea engelmannii*) Seedlings. *In* Can.J. For.Res. 1993. Vol. 23 p. 2044-2048. (RP94-3)

Quesnel, H.J. and F.N. Thiessen. 1993. Ecosection Summaries For the Kootenay-Boundary Region. B.C. Min. For., Nelson, B.C. Tech. Report TR-003. (RP94-4)

Quesnel, H.J. and J.K. Leahy. 1993. Forests Greater Than 140 Years Old in the Kootenay-Boundary Region. B.C. Min. For., Nelson, B.C. Tech. Report TR-004. (RP94-5)

Steeger, C., J. Krebs, and **D. Crampton**. 1993. A Close Look at Wildlife Trees. B. C. Min. For., Nelson, B.C. Research Summary RS-011. (RP94-6)

GEOMORPHOLOGY

Journal papers and technical reports:

Jordan, P. 1994. Debris Flows in the Southern Coast Mountains, British Columbia: Dynamic Behavior and Physical Properties. Ph.D. Dissertation, Department of Geography, University of British Columbia. Abstract available. (RP94-7)

Conference and Symposia papers:

Jordan, P. and D. Toews. 1993. Terrain and Hydrologic Factors Influencing Logging-Related Landslides in South-eastern British Columbia. Paper presented at Canadian Quaternary Association, Biennial meeting, April, 1993, Victoria, B.C. (RP94-8)

HYDROLOGY

Journal papers and technical reports:

Gluns, D.R. and K. Green, 1994. Water Quality Monitoring of a Small Spring Following Forest Harvesting. B.C. Min. For., Nelson, B.C. Tech. Report TR-007. (RP94-9)

Gluns, D.R. 1993. Picloram Residues on Rangeland: A Project Review. B.C. Min. For., Nelson, B.C. Research Summary RS-010. (RP94-10)

PEDOLOGY

Journal papers and technical reports:

Curran, M.P. 1994. Slashburning Effects on Tree Growth and Nutrients in the Coastal Western Hemlock Zone, Southern British Columbia: Longer-term Trends. Ph.D. Dissertation, Department of Soil Science, University of British Columbia. Abstract available. (RP94-11)

Curran, M.P. and M. M. Johnston, 1993. SYTEPREP Decision Aid, version .9f (SYstem To Evaluate PRescription Effects on potential Productivity). B.C. Min. For., Nelson, B.C. Tech. Rep (menu based computer version). (RP94-12)

Curran, M.P. and M.M. Johnston. 1993. A Quick Tour of the SYTEPREP Decision Aid. B.C. Min. For., Nelson, B.C. Research Summary RS-009. (RP94-13)

106-05494/ .

Curran, M.P. and M.M. Johnston. 1992. Overview of the SYTEPREP Computer-Based System (SYstem To Evaluate PRescription Effects on potential Productivity). B.C. Min. For., Nelson, B.C. Research Summary RS-006. (RP94-14)

Davis, G. P. 1993. Soil Texture and Calibration. B.C. Min. For., Nelson, B.C. Tech. Report TR-002. (RP94-15)

Davis, G. and Wells, W.H. 1994. Stumping & Pushover Logging in the Nelson Forest Region, 1992 &1993 Soil Disturbance Surveys. B.C. Min. For., Nelson, B.C. Tech. Report TR - 009 (RP94-16)

Johnston, M., Y. Wand, and **M. P. Curran**. 1993. An Expert System to Support Site Preparation Decisions Related to Reforestation. *In* INFOR., Vol. 31, No. 3. (RP94-17)

Kocka, G.P.and **DeLong, D.L.**, 1994. Return-Trail Skidding: Pilot Study. Forest Engineering Research Institute of Canada, Vancouver, B.C. Tech. Note TN-218. (RP94-18)

Land Management Handbooks/Field Guide Inserts:

Site Sensitivity Interpretations Working Group (**Curran, M.P.** Chmn, B. Mitchell, M. Osberg, B. Watt), T. Lewis and W. Carr. 1993. Hazard Assessment Keys for Evaluating Site Sensitivity to Soil-Degrading Processes - Interior Sites. B.C. Min. For., Victoria, B.C. Field Guide Insert No. 8. (RP94-19)

Curran, M.P., B. Fraser, L. Bedford, M. Osberg, and B. Mitchell. 1993. Site Preparation Strategies to Manage Soil Disturbance - Interior Sites. Revised edition (new sensitivity keys) B.C. Min. For., Victoria, B.C. Field Guide Insert No. 2. (RP94-20)

SILVICULTURE

Journal papers and technical reports:

DeLong, D.L. and G. Butt. 1994. Natural Regeneration Under Partially Cut Stands in the ICH Zone. B.C. Min. For., Nelson, B.C. Research Summary RS-014. (RP94-21)

DeLong, D.L. 1994. Review of Five Time and Motion Studies Completed on Root Removal Treatments in the Nelson Forest Region. B.C. Min. For., Nelson, B.C. Tech. Report TR-006. (RP94-22)

DeLong, D.L. 1994. A Retrospective Investigation of Partial Cuts in the ICHmw1 and ICHmk1 in the Golden Forest District. B.C. Min. For., Nelson, B.C. Tech. Report TR-005. (RP94-23)

Hedin I. B. and **D.L. DeLong**. 1993. Comparison of Harvesting Phases in a Case Study of Partial-Cutting Systems in Southwestern British Columbia. Forest Engineering Research Institute of Canada, Vancouver, B.C. Special Report No. SR-85. (RP94-24)

Pollack, J.C. 1993. The Effect of Plantation Density on the Growth and Yield of White Spruce: 32-Year Results. B.C. Min. For., Nelson, B.C. Research Summary RS-007. (RP94-25)

Conference and Symposia papers:

Crampton, D. 1993., Silvicultural Systems and Vegetation Management. *In*: Integrated Forest Vegetation Management: Option and Applications, A Workshop, Richmond, B.C. November, 1993. In Press. (RP94-26)

Thompson, C.F. 1994. Some Silvicultural Uses of Grass and Legumes. Paper presented at Grasses and Legumes in Forestry, A Workshop. Prince George, B.C. April, 1994. (RP94-27)

Thompson, C.F. 1993. Management Issues of *Larix occidentalis* Forests in British Columbia. *In* Schmidt, W.C. ed. Symposium on Ecology and Management of Larix Forests: A Look Ahead: proceedings, White Fish, MT, USA, October 5-9, 1992. (RP94-28)

Thompson, C.F. and M.V. Ketcheson, 1993. Grass and Legume Seeding for Vegetation Control in the Nelson Forest Region - Species Screening Trial on a Low Impact Burn. Summary paper of a poster presented at Integrated Forest Vegetation Management: Options and Applications, A Workshop. Richmond, B.C. November, 1993. (RP94-29)

Thompson, C.F. and O. Steen, 1993. Cover Crops for Vegetation Management. Paper presented at Integrated Forest Vegetation Management: Options and Applications, A Workshop, Richmond, B.C. November, 1993. In Press. (RP94-30)

Vyse, A. and **D.L. DeLong**. 1994. Old and New Silviculture in the Cedar-Hemlock Forests of British Columbia's Southern Interior. *In* Proceedings of a symposium on Interior Cedar-Hemlock-Whitepine forests: Ecology and Management, Spokane, Washington. (RP94-31)

OTHER STAFF PUBLICATIONS

Crampton, D. and **G. Garner**, Eds. 1993. Silvicultural Systems Research Cooperative Newsletter. B.C. Min. For., Nelson, B.C. Vol. 1, No. 1. (RP94-32)

Curran, M.P., D. R. Gluns, K. Green and P. Jordan 1994. Forest Practices Code, Earth Sciences Resource Kit. B.C. Min. For., Nelson, B.C. Copies are available for reference in ministry offices. (RP94-33)

DeLong, D. and G. P. Davis 1993. Introduction to the Armillaria Steering Committee and the Research Working Group. B.C. Min. For., Nelson, B.C. Research Summary RS-012. (RP94-34)

Garner, G. and J.C. Pollack (eds) 1994. Forest Sciences Section, Nelson Forest Region. 1993/94 Annual Report. June, 1994. B.C. Min. For., Nelson, B.C. (RP94-35)

Garner, G. and C.F. Thompson (eds). 1994. Directory of Forest Research Test Sites. B.C. Min. For., Nelson, B.C. Due to size and cost, not available for general distribution. (Contact Chris Thompson at 354-6704 for viewing locations.) (RP94-36)

Garner, G. (ed) 1993. Research Staff Directory, B.C. Min. For., Nelson, B.C. (RP94-37)

Garner, G. (ed) 1992. Recent Staff Publications. B.C. Min. For., Nelson, B.C. Research Summary RS-005. (RP94-38)

Forest Sciences. 1995. Geographic Distribution of *Armillaria* Species. B.C. Min. For., Nelson, B.C. Research Summary RS-015 (RP94-39)

Forest Sciences. 1995. The Life Cycle and Dynamics of *Armillaria ostoyae*. B.C. Min. For., Nelson, B.C. Research Summary RS-016 (RP94-40)

Forest Sciences. 1995. Field Identification and Quantification of *Armillaria ostoyae*. B.C. Min. For., Nelson, B.C. Research Summary RS-017 (RP94-41)

Forest Sciences. 1995. The West Arm Demonstration Forest: Research Update. B.C. Min. For., Nelson, B.C. Research Summary RS-018 (RP94-42)

CONTRACT REPORTS

Craig, J. 1994. Bat Research in the West Arm Demonstration Forest. B.C. Min. For., Nelson, B.C. Research Summary RS-013. (RP94-43)

Herbison, B. and W. H. Wells. 1993. Collection of Field Data on Stand Structural Diversity in the Nelson Forest Region: Problem Analysis, Literature Review and Summary of Pilot Project. Appropriate Forestry Services Ltd. For B.C. Min. For., Nelson, B.C. (RP94-44)

RECENT STAFF PUBLICATIONS - ORDER FORM

I wish to order the following publications:
(please quote the bracketed RP number following each listing)

RP94- _____
RP94- _____
RP94- _____
RP94- _____
RP94- _____
RP94- _____

Please mail to me at the following address:

NAME _____

ADDRESS _____

_____

PHONE _____

Ministry of Forests, 518 Lake Street, Nelson, B.C. V1L 4C6 Phone: (604) 354-6200